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TP53I8 Rabbit pAb

Catalog # AP97348

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O14681
Other Accession	O14681
Predicted	Rat, Pig, Human, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38965
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TP53I8/EI24
Epitope Specificity	251-340/340
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the EI24 family.
SUBUNIT	Interacts with BCL2.
DISEASE	Note=EI24 is on a chromosomal region frequently deleted in solid tumors, and it is thought to play a role in breast and cervical cancer. Particularly, expression analysis of EI24 in cancerous tissues shows that EI24 loss is associated with tumor invasiveness.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene has higher expression in p53-expressing cells than in control cells and is an immediate-early induction target of p53-mediated apoptosis. The protein encoded by this gene contains six putative transmembrane domains and may suppress cell growth by inducing apoptotic cell death through the caspase 9 and mitochondrial pathways. This gene is located on human chromosome 11q24, a region frequently altered in cancers. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008].

Additional Information

Gene ID	9538
Other Names	EPG4; PIG8; TP53I8; EI24_HUMAN; EI24; p53-induced gene 8 protein; EI24_MOUSE; EI24_RAT; EI24 autophagy associated transmembrane protein; etoposide induced 2.4 mRNA; etoposide induced 2.4; ectopic P-granules autophagy protein 4 homolog (C. elegans)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	EI24
Synonyms	PIG8
Function	Acts as a negative growth regulator via p53-mediated apoptosis pathway. Regulates formation of degradative autolysosomes during autophagy (By similarity).
Cellular Location	Nucleus membrane; Multi-pass membrane protein. Cytoplasm. Endoplasmic reticulum membrane; Multi-pass membrane protein

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.